



The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: **Second Tuesday** of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- RARS meets for a monthly dinner on the **third Tuesday** of each month.
- On the **fourth Tuesday** of every month, in-person meeting at Ridge Road Baptist Church where there will be project tables, demos, snacks, and socializing.



PUBLIC SERVICE EVENTS

Interested in helping? Visit
<https://www.rars.org/public-service.php>

frequently for our ham public service schedule.

RARS General Meeting

Date: July 8, 2025

Topic: The Future of Lithium Batteries

Presenter: Professor Veronica Augustyn, NCSU

Where: Ridge Road Baptist Church

Time: In-Person and Zoom Meeting at 7:30 PM, [More info at RARS.org](https://www.rars.org)

RARS In Person Gathering

Date: July 22, 2025

Where: Ridge Road Baptist Church

Time: 7:00 PM

In-person Gathering at Ridge Road Baptist Church where there will be project tables, demos, snacks, and socializing.

RARS Officers

PRESIDENT

Fin Gold
NC4FG
nc4fgfin@gmail.com

VICE PRESIDENT

Chuck Till
K4RGN
k4rgn@outlook.com

SECRETARY

Julie Royster
KT4JR
919-782-1624
KT4JR@arrl.net

TREASURER

Greg Seamster
KE4PAX
919.859.0029
KE4PAX@arrl.net



The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Regular dues for licensed amateurs are \$18 per year. (From July 1 through June 30.) Additional licensed immediate family members pay \$5 each per year. Dues for licensed full-time students and licensed seniors 60 and over are \$12 per year. Unlicensed individuals may become associate members for \$9 per year. Applications for membership are available from the treasurer or on the RARS web site.

<https://www.rars.org>

Exciter

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the Saturday that is ten days before the general meeting. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor (editor@rars.org)

Exciter President's Message for July 2025

RARS Field Day was a great success!

Many members and visitors braved the heat to see and help with our operations. Thanks to Marty Young W4MY for leading the event! Our format change from 9 stations to 3 helped us share the microphone, CW key, and keyboard with more interested hams. Thanks to those that volunteered and those that visited to explore our hobby. Check out the article further down in this newsletter for all the good news.

Looking Ahead

We have plenty to look forward to on our ham calendar:

- Club meeting on the 2nd Tuesdays (next one on July 8th) in-person and Zoom
- Dinner meeting on the 3rd Tuesdays (next one on July 15th)
- The Gathering meeting on the 4th Tuesdays (next one on July 22nd)
- Public Service [events](#) in July, August, and September

Not just these, but also one-time events coming up quickly in the Fall:

- **Technician License Class** It's only 2 months until our next Technician license class on September 6, 13, and 20 – at our new training location: the Red Cross chapter at 100 North Peartree Lane, Raleigh, NC. Details on the [RARS website](#).
- **State Fair Exhibit**
Calling all NC ham radio operators! The NC Ham Radio Exhibit at the NC State Fair on October 16-26 is now actively seeking volunteers to help demonstrate the value of ham radio to our communities. This exhibit in the past has been a huge success, logging more than 2,300 visitors last year!
Parking is free, and your admission will be taken care of. [Sign up](#), represent RARS, and meet colleagues from other clubs.

Stay cool!

73,
Fin Gold, NC4FG
President
Raleigh Amateur Radio Society

June 10, 2025 RARS meeting

President Fin Gold NC4FG called the meeting to order at 7:30 pm. He reminded Zoom participants of a few notes about using Zoom. See the minutes for all the details during the meeting on [page 31](#).



Fin Gold, NC4FG starting the meeting



Greg Seamster, KE4PAX giving
the Treasurer's Report.



Everyone waiting for the meeting to start

June 10, 2025 RARS meeting, continued



Public Service director Jeremy Lindsley, K2HJX, announced upcoming public service events for which volunteers are needed.



John Honeycutt, N8ZU, announced the upcoming RARS dinner and RARS Gathering.



June 10, 2025 RARS meeting, continued



Chuck Till, K4RGN, conducting the monthly door prize drawing,
with Craig McCrary, KY4WM, helping.

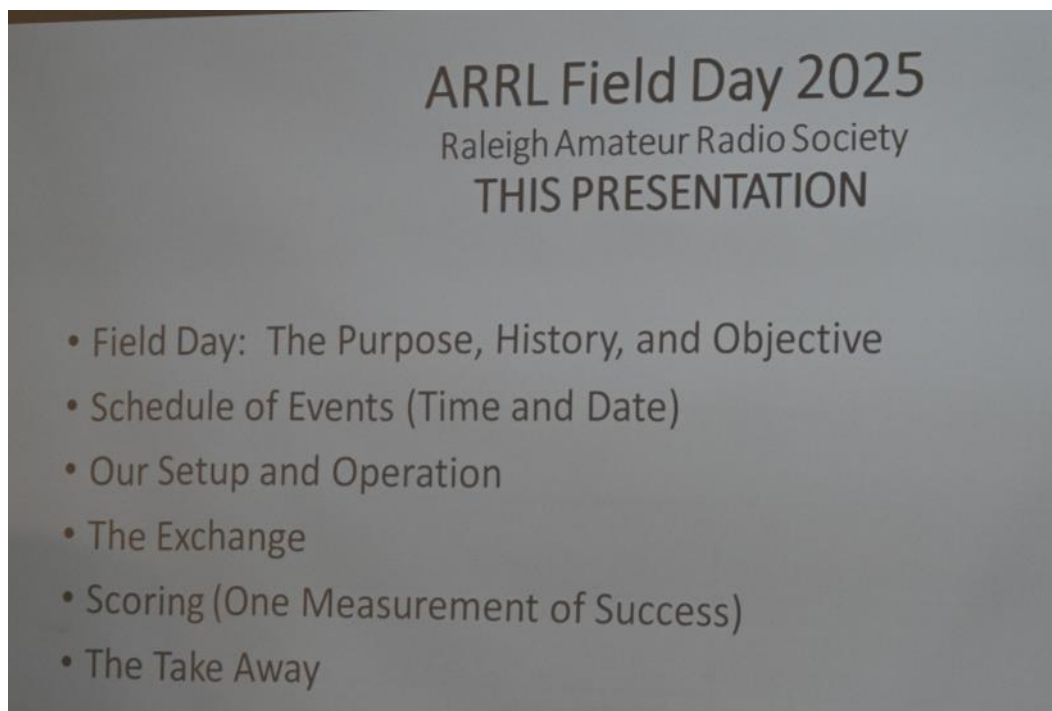


The door prizes winners, left to right
Jeremy Lindsley, K2HJX; Mike Joondeph, N1JDW; Mahesh Balasubramaniam

June 10, 2025 RARS meeting, continued



2025 RARS Field Day presented by Field Day Chair Marty Young, W4MY.



The full presentation is available [here](https://www.rars.org).

June 10, 2025 RARS meeting, continued

Full Name	Call Sign	Full Name	Call Sign
Barry Wheeler	K9IUT	John Hollowell	K4JAH
Bill Berzinskas	WW1H	John Honeycutt	N8ZU
Bob Starkenburg	W4TTX	Jonathan Osbrink	KB8QNE
Bruce Shermat	KI4PAC	Josh Kurland	KR4BTW
Callen Lindner	KQ4QWY	Julie Royster	KT4JR
Carl Lindner	KM4GBE	Ken Latchum	AD4GX
Charles McCommas	KY4HU	Louis Alexander	K4BYN
Charles Swindell	WB4DCM	Mahesh B	NoCall
Christine North	KR4ANI	Marty Young	W4MY
Chuck North	WJ4A	Michael Johnson	KZ4LY
Chuck Till	K4RGN	Mike Joondeph	N1JDW
Craig McCrary	KY4WM	Nick Baker	KR4BTY
Dale Jones	WA4JCK	Richard Kroeger	N1FUA
Daniel Berzinskas	KQ4GOB	Susan Jones	WA4AKB
David Crawford	KK4VXJ	Tadd Torborg	KA2DEW
Dennis Mason	WZ0Q	Thomas Karcher	KQ4FKA
Devin Hedge	KN4FVH	Tim Thurber	WX4TIM
Elliott Johnson	KR4BUA	Tom Lewis	N4TL
Fin Gold	NC4FG	Tony O'Connor	K1OC
Greg Seamster	KE4PAX	Van Crandall	KR4CWX
Jay Gilleece	KQ4PSK	Wilbur Goss	WD4RDT
Jeremy Lindsley	K2HJX		

43 People attended in person



Screen capture showing 14 on Zoom, 57 total

RARS MONTHLY SUPPER , IHOP RESTAURANT JUNE 17, 2025



Names clockwise around the table, Robert Chew; Ken Latchum, AD4GX; David Crawford, KF4VXJ;
Dale Jones, WA4JCK; Susan Jones, WA4AKB; Dennis Mason, WZ0Q; Fin Gold, NC4FG;
John Honeycutt, N8ZU; Ralph Selmont, KQ4RZI; Bob Chew, K4YXM;
Tom, N4TL taking the picture

June 2025

RARS Net Report

30 2m nets: 370 checkins, 730 minutes

5 6m nets: 62 checkins, 105 minutes

Julie Royster, KT4JR, RARS net manager

Monthly In-Person RARS Gathering, June 24

Ridge Road Baptist Church, at [2011 Ridge Road, Raleigh](#)

The meeting starts at 7:00 pm in the Fellowship Hall, but we start setting up at 6:00 pm, and you are welcome to bring your own ham radio equipment and projects to demonstrate, show off, or just work on with other like-minded hams -- we have plenty of tables. You might also find sources of coax, connectors, zip cord, Powerpoles®, and whatnot.



Miscellaneous pictures taken at the gathering

By Tadd K4DEW

Monthly In-Person RARS Gathering, June 24, continued



Miscellaneous pictures taken at the gathering

By Tadd K4DEW

Monthly In-Person RARS Gathering, June 24, continued



Miscellaneous picture taken at the gathering By Tadd K4DEW

Full Name	Call Sign	Full Name	Call Sign
Alex Kowalewski	KR4ESQ	Jon Suen	KG6K
Barry Wheeler	K9IUT	Josh Kurland	KR4BTW
Billy Janke	KE4VNC	Ken Latchum	AD4GX
Bob Starkenburg	W4TTX	Kim Johnson	KR4BUB
Charles Swindell	WB4DCM	Marty Young	W4MY
Chuck North	WJ4A	Michael Johnson	KZ4LY
Dale Jones	WA4JCK	Mike Joondeph	N1JDW
Dennis Keith	NC4DK	Mike Nutt	K3LOE
Dennis Mason	WZ0Q	Ralph Selmont	KQ4RZI
Denny Oestreich	KO4IBL	Richard Hall	KR4LH
Devin Hedge	KN4FVH	Richard Kroeger	N1FUA
Doug Wall	N3LTV	Rob Bowser	KO4HUI
Fin Gold	NC4FG	Sam Harris	KQ4AQJ
Garry Murray	KQ4ICK	Sarah and William Thomas	N4TL kin
Greg Seamster	KE4PAX	Stephen Haffley	NY4NC
Israel Painchaud	Incoming!	Steve Barry	N3FF
Jay Gilleece	KQ4PSK	Susan Langley-Jones	WA4AKB
Jeremy Lindsley	K2HJX	Tadd Torborg	KA2DEW
Jerry Agliata	W2GLA	Tim Thurber	WX4TIM
Joe Haggerty	N4BJH	Tom Lewis	N4TL
John Bowser	NOCALL	Tony O'Connor	K1OC
John Hollowell	K4JAH	Wade Daniel	KK4UGY
John HoneyCutt	N8ZU	Will Jabber	WY5L

46 People attended the June Gathering

June 24th, Gathering Test Session

On June 24th, at the Gathering, we conducted a test session for FCC License exams. The VEs were Julie, KT4JR, Dennis, NC4DK, Stan, W2CK, Joe, N4BJH and me, KR4LH. We had six applicants who took 11 total exams, some while upgrading and then looking beyond to the next level exam. Out of the session, we had one new Technician, two General upgrades, and two Extra upgrades. One of the Extra upgrades was RARS member Kimberly Johnson, KR4BUB (until her 2x2 call is assigned by FCC) who took and passed the Technician and General exams earlier this year at another of the Gatherings. We will have another RARS sponsored session at the Cary Swapfest on 19 July at 10:00 am and then in the remaining even months at the Gatherings.

73,

Richard Hall

KR4LH

RARS Ham Radio Technician Training Classes

"The next RARS Ham Radio Technician Training Classes will be on September 6, 13, and 20, 2025.

These classes will help prepare students to take the test for their first FCC Technician Radio License.

The classes will be held at the Raleigh Red Cross facility at 100 N. Peartree Ln, Raleigh, NC.

The classes will be held from 8:30 AM to 12:30 PM on each of the three Saturdays.

These classes will be led by six experienced RARS HAMs.

The classes will cover material needed to pass the exam for an entry-level amateur license.

Classes will be based on the "*ARRL Ham Radio License Manual, 5th Edition*" available from [Amazon.com](https://www.amazon.com) or [ARRL.Org](https://www.arrl.org). [link](#)

To reserve a seat in these classes, contact:

Denny Oestreich at Email: OestreichD@AOL.com or Telephone 919-846-8163"

Regards,

Denny , KO4IBL

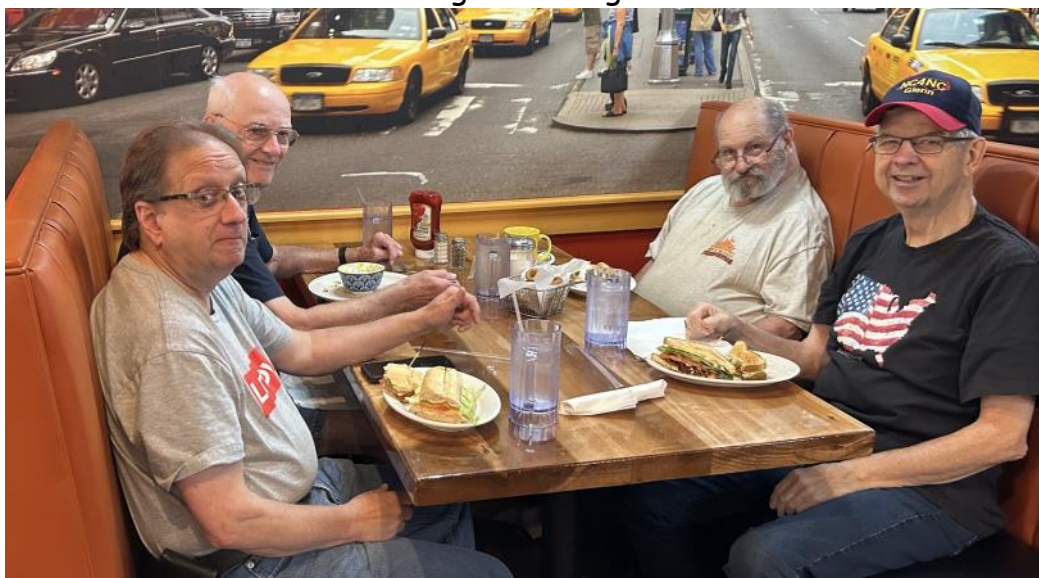
73

HAM Radio Lunch

Every Thursday at the New York Diner
909 McKnight Drive, Knightdale, NC 27545
June 26, 2025, 11:15AM



Names clockwise around the table. Howard Goodman, N4KYW;
Ken Latchum, AD4GX; Dave Wood, W4EJ; Lou Demko, W3LPR; Denny Oestreich, KO4IBL;
Dennis Mason, WZOQ; Alan Pitegoff, AB4OZ; Sarah Thomas; William Thomas,
Tom's daughter and grandson.



Pictures
by Tom
N4TL

David Guthrie, WA4DAG; Charlie Strickland, WA4OSS;
Walt Chambers, K4ZVK; Glenn Clary, NC4NC;

RARS Member Birthdays

Brian	K1BCH	07/01
Carl	KM4GBE	07/01
Donald	KR4CYY	07/02
James	KE4DRN	07/03
Will	WA4GK	07/04
John	KN4EQO	07/04
Harlem	KR4CYT	07/06
Doug	K1DUG	07/06
Raymond	K4JKA	07/07
Rick	KD4PJI	07/08
Steve	NC4SW	07/08
Crystal	KO4KPS	07/08
Steve	AC2AS	07/09
Jim	N4RSE	07/09
Brian	KO4JAS	07/09
John	AI4RT	07/10
Bill	W3IMD	07/10
Gregory	KQ4SKU	07/11
John	K4JAH	07/12
Doug	AD4UL	07/14
Jimmy	KQ4YUW	07/14
Wade	KG4KAH	07/14
Bill	KO4GQL	07/15
Al	KC4M	07/15
Robert	W2ARP	07/16
Bill	K4MWB	07/16
Jim	KM4WRK	07/17
Lowell	K4EUP	07/17
MacEntyre	KQ4QZC	07/18
Bob	K4RLC	07/19
Salem	KA4AKA	07/20

RARS Member Birthdays

Tom	KR4EPO	07/20
Michael	KQ4IWB	07/21
Chris	N3CS	07/21
Shanne	KE4SAM	07/21
Mike	KO4PAS	07/21
Bill	W4WHW	07/23
Jack	K8TO	07/23
Charles	WB4DCM	07/26
Chuck	WB4TNC	07/26
Richard	KE4COD	07/27
Mike	N4GU	07/27
William	K4CIA	07/28
Meme	KE4NGM	07/28
Stuart	NF2N	07/28
Garry	KQ4ICK	07/28
Dave	W4YDY	07/29
Bob	KI4YXM	07/30
Mike	K3LOE	07/30
John	KG4HDT	07/31

RARS New Members

John Stauffer	
Shanne McPherson	KE4SAM
Park Anders, Jr.	WZ4T
Diana Manrique	K4NCD
Tom Owens, Jr	KR4EPO
Michael Joondeph	N1JDW
Lee Lewis	AC4XF

Field Day Sweet Spot

Field Day 2025 is in the books! What a successful event and an incredible journey.



It wasn't all fun and rainbows...Actually, it WAS!

Theme:

Share the microphone, share the key, share the keyboard.

Call: W4DW (N4RAL for GOTA) Class: 3A

First off, here is the summary of how it went. If you want the whole back story, read on after that.

Summary:

Our 2025 Field Day Chairman, Marty Young W4MY, had the idea to scale back from nine stations last year to three this year and rotate operators through hour-long shifts to get more people on the air. I loved the idea because it was more inviting to new and non-hams than previous approaches. Guess what? It worked! We ended up with 106 participants/visitors on our signup sheet (25 more than last year). The SSB mode station was like a revolving door of operators and loggers. The "Get-On-The-Air" (GOTA) station was busy all through Saturday afternoon and evening. Marty found a sweet spot supporting casual contesting, visitor accessibility, and ham fellowship!

Field Day Sweet Spot, continued

We won!

I already know that RARS Field Day was a big winner. Why? Because we reached our goal of sharing our hobby with the public and fellow hams as we practiced and proved our ability to operate in the field. What was our score? I don't know. By looking at the event from that angle, we support the event better and serve our community.

If you were there on Saturday afternoon, I'm guessing you felt the great positive energy of all that was going on:

- The look of wonder as newcomers made their first call
- The 8-year-old who made two GOTA calls and then learned S-O-S on our demo CW key
- Entire families learning about what we do
- Volunteers who jumped in to help on any task needed
- Visitors from the Red Cross and ARRL
- Satellite comms testing

It was a special time!

If you missed it, come out next year! Volunteer to help set up, run it, and tear-down. Your reward will be the experience of those special moments.

Here are over 60 photos in a [Google Photos album](#) of the fun.

Here is a [RARS Field Day 2025 Walkaround Youtube video](#) showing our stations and layout.

Details:

The RARS Day last year (2024) was amazing in its organization! It was the best in memory for a large (9 station) effort. That was due to the organization, planning, and documentation by David W4OFO. We won our class and placed high among all classes. He set the bar very high for a large Field Day.

When Marty stepped up and volunteered as chairman for 2025, he suggested a scaled-back approach. His plan for 3 mode-based stations sounded good to me because it required fewer captains and volunteers. The format shifted from 9 camp-based stations with a few dedicated operators at each station to 3 stations with frequently swappable operators. When we announced it, we knew we may lose the participation of some serious contesters and that did happen. We missed

Field Day Sweet Spot, continued

them, but we realized other advantages of the new format.

Other areas where we scaled back: wire antennas instead of beams on large rocket-launcher masts, less emphasis on bonus points, and less structure all around. Some of the advantages of scaling back were obvious and some were not. We knew it would be quicker and easier for setup and tear-down. Fewer guy wires to trip on, less to keep track of. By having mode-based stations instead of band-based, they could all change bands as conditions changed. Our Yaesu FTDX10 radios all work fine without external bandpass filters.

What wasn't obvious was that our simple setup with wire antennas was easier for visitors to understand and was better at demonstrating how easy it is to set up something similar themselves. One person said it was less intimidating for someone just getting started or with less experience.

By Sunday, our choice had already proven successful. When Jim Boehner N2ZZ (the ARRL [Roanoke Division](#) Director) and Bill Morine N2COP (the Vice Director) visited, we explained all this and showed them around. I was surprised when they said "This is exactly the way it should be" and "This could be a model for an efficient and effective Field Day". They asked me to pass on to our members that they love what we've done. We are the largest club in their 4-state division and our little 3A class was just fine. Bill reminded me that the serious contesters have 51 other weeks a year to go for the win in a contest. Field Day should be more of an open house. That's exactly what we did.

Every club does Field Day differently and that variety makes the event more fun. I believe RARS has found a format that works well for us. Did we ignore points? No, we still ran all stations all night (or almost). We still tried to get bonus points (and succeeded in many areas). But that was just to support the safe and effective practice of the event. If we missed some, no problem.

To be ready for next year, we'll create an after-action report, improve in those areas, and I hope, use the same format as this successful event.

I'll close with a resounding THANK YOU to:

- Marty Young W4MY for the leadership
- The mode captains:
 - *Marty on CW
 - *Bob Starkenburg W4TTX on SSB
 - *Devin Hedge KN4FVH on Digital

Field Day Sweet Spot, continued

- *Jeremy Lindsley K2HJX on VHF
- *John Hollowell K4JAH on GOTA

- Supporting cast:

- *Oliver Young for food service
- *Richard Kroeger N1FUA for education, food service, and safety officer
- *Tim Thurber WX4TIM for satellite testing and help with Digital
- *Carl Lindner KM4GBE and Callen Lindner KQ4QWY (aka The Sign Crew) for handling all the signs.
- *Dwayne Ayers N4MIO for message handling
- *Billy Janke KE4VNC for VHF support
- *Cliff Kendall N3LEX for Info Table and all-around help
- *Richard Dennis KE4COD for setup and tear-down support
- *Dennis Keith NC4DK for access to the Police Club and SSB support
- *You if you should be on this list and I forgot you because I'm sleep deprived

- All who came and operated at our stations

- All who visited and learned

You made it a success!

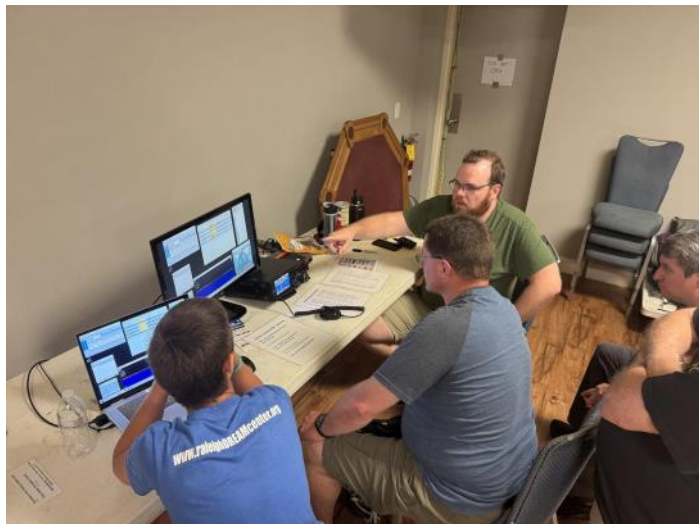
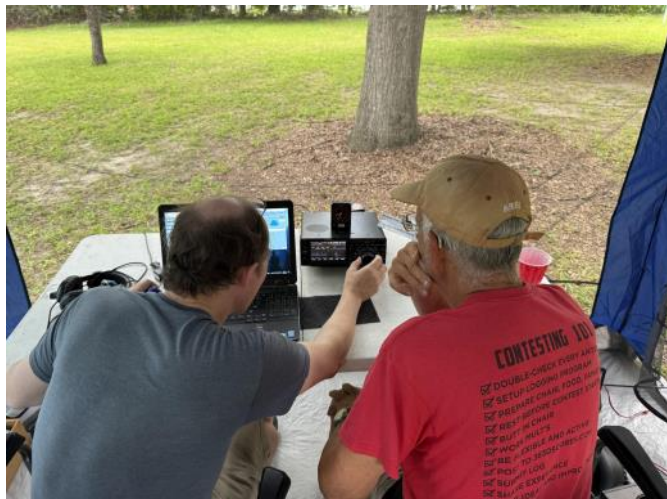
73,

Fin Gold
NC4FG



Field Day pictures from Fin, NC4FG

Four Field Day pictures from Fin, NC4FG



Bottom two pictures from Denny, KO4IBL

Field Day pictures from Denny, KO4IBL



GOTA Station



Digital Activity

Quarter Century Wireless Association

The Piedmont Chapter 126 of the QCWA held a Luncheon and meeting on June 14 in Siler City. There were 29 attendees.

Link to [chapter 126](#). Link to [pictures](#) from the meeting with a list of attendees.

73 Tom N4TL

1970s RARS Field Day

Floyd, K8AC was looking through old Field Day photos from the 1970s in Raleigh and thought some of you old timers might enjoy this story. The attached photo shows Larry, K4FOB (SK) at the key of the 80/15 meter CW station. The stacked Drake gear was from Bob Corns, K4MC (SK). We thought we were going to be operating from a tent, but when we arrived at the fairgrounds on Saturday, one of our members had somehow convinced a local mobile home dealer to loan us a new 60 foot house trailer for the weekend. They even delivered it to the Fairgrounds. Each station had its own bedroom. I seem to recall that the trailer included a large advertising banner for the company on the side of the trailer.

One of the club members, George Whitehouse, ran a power washing business and brought his bucket truck out to FD to help erect the towers and install the beams. I recall he brought the truck over to my house not long after that and we tuned the reflectors of my tri-band quad from the bucket. K4CIA provided a carrier on the three bands and we found you can get remarkable F/B ratio on a quad when you properly tune the reflector. A related story from that same summer: K4CIA told me about a source of telephone poles - think the guy was a contractor who did work for CP&L. He came to my house with a like-new 45 foot pole on a semi trailer along with a large hole drill, another truck and two other guys. They had installed new metal steps on the pole. They drilled the hole, set the pole in it, cleaned up the dirt from the hole and were gone in under an hour. The total price: \$85. I drove by the old house last year and the pole, minus the Quad, is still standing.

Other memories of FD from the early 70s: Bill, K4CIA, and his 80 meter wire beam on top of Dorton Arena, and Dean Straw (WB4YOJ, N6BV) showing us how it was possible to average 120 QSO/hour on CW running 100W.

73, Floyd - K8AC



Larry, K4FOB (SK) at the key of the 80/15 meter CW station.

QSL Manager comment about OQRS

A comment from Tim Beaumont, M0URX, who is a QSL Manager & Mailing Consultant

When you request a QSL on OQRS. Please remember to write your ADDRESS CORRECTLY IN FULL! I Corrected 200 addresses this week, feels like I am correcting kids homework! If you write the address as Dave Dave Dave USA or My address is on QRZ or miss the street number or name DO NOT expect your QSL to arrive and NO I will not pay for it to be re-posted. Is it really too much to ask? To write your address in full?

<https://www.m0urx.com/>

February 1945 QST

There was a QST magazine from 1945 on the free table at the last RARS meeting. I read it and found some interesting items.

Page 9. There was no zero call area before WW2. The ninth call area was the largest and the FCC had run out of callsigns for new hams. The FCC was reassigning calls that had been idle for five years. The article suggest that after the war a Zero call area be setup. After the war K callsigns showed up. Alaska calls became KL7. Hawaiian calls became KH6.

Page 20-23 is a list of HAMs in the military Service. They were not all radio operators. One was a, Brigadier General, Edmund Lynch, W3HWJ.

Page 51. The Syracuse, NY, area received 2.5 feet of snow. Local hams helped find breaks in the power lines. Hams were not allowed on the air during WW2, but there was the War Emergency Radio Service (WERS). Some communities had WERS licenses and participants needed an Amateur radio license.

Page 45. There is a design for an Electronic Bug paddle. It is a single lever with two contacts. One for dots and one for dashes. I was surprised to see this because I thought electronic keyers were invented in the 1960s. I was very wrong. I did some searching and found designs in these QSTs.

Electronic keyers, QST, April 1940, page 9; QST, May 1940, page 12; QST, March 1942, page 36; QST, March 1944, page 15-17; QST, August 1945, page 44. The Hallicrafters HA-1 Electronic keyer came out in the 1960s. Designed by W9TO. Bill, K4CIA heard W9TO and asked about the keyer. W9TO sent him a schematic and Bill built one from parts. He still has it.

Here is a link to a 13 page article about squeeze keying. It also covers the start of the telegraph.

https://morsecode.ninja/files/DJ5IL_All-About-Squeeze-Keying.pdf

73 Tom N4TL

<https://www.rars.org>

RARS Classifieds

Copied from <https://www.rars.org/classifieds.php>

The items below were listed within the last 30 days on the RARS website.
Check the RARS Classified List on the RARS website regularly for new items.

Hi-Gain T2X Tail twister Rotor & Controller

Posted June 26th, 2025 by: [AD4GX](#)

Contact: kalatchum@att.net

I have a used but (Refurbished) Tail twister Rotor plus a Controller for sale! This Rotor has been completely Refurbished by a qualified technician and it is ready to use! I'm only asking \$600 cash for this Rotor & controller! This Tail twister Rotor list for over \$1000 new! If interested please contact Ken (AD4GX) AT 434-251-1207 OR kalatchum@att.net!

Yaesu FT-950 transceiver

Posted June 26th, 2025 by: [AD4GX](#)

Contact: kalatchum@att.net

I have a used but like new Yaesu FT-950 transceiver for sale! This unit has just been completely checked out prior to listing by a qualified technician! This transceiver comes in it's original box and all manuals! I'm only asking \$675 cash! If interested please contact Ken at 434-251-1207 or kalatchum@att.net!

For Sale - LG Monitor

Posted June 23rd, 2025 by: [W4BMX](#)

Contact: tonylaszlo@hotmail.com

For Sale - LG 34" Ultrawide Monitor, like new \$225. See my QRZ page for picture of the monitor.

Regards, W4BMX, (919) 961-1813

Microphone for Leixen VV 898 SP

Posted June 23rd, 2025 by: WZ0Q

Contact: [WZ0Q](#)

wz0q@outlook.com

Wanted mic for a Leixen vv 898SP radio

I am looking for a microphone for a Leixen VV 898SP radio.

also a copy of manual for same radio

919-413-5998

call or email me, Dennis, WZ0Q

thanks

<https://www.rars.org>

RARS Classifieds continued

For Sale: Manuals, Copied onto 8.5X11 Paper

Posted June 22nd, 2025 by: W4BOH

Contact: [W4BOH](#)

infomet@embarqmail.com

Nice copies of the following manuals:

Kenwood TM-V7A/TM-V&E

Yaesu FT-897D

Yaesu FT-4700RH

Kenwood TS-430S

\$5 each, in Hillsborough

\$10 each, mailed to you

Wilson

W4BOH

JumboSpot PiStar Hotspot for DMR/DSTAR/P25/FUSION

Posted June 17th, 2025 by: [N1GMV](#)

Contact: n1gmv@hotmail.com

I have two fully functional Jumbospot hotspots for DMR/DSTAR/P25/FUSION that I no longer use. If anyone interested please let me know

\$50 each

Kenwood TR-7850 2-Meter Ham Radio Mobile Transceiver

Posted June 9th, 2025 by: [N2XZF](#)

Contact: n2xzf.radio@gmail.com

I have this transceiver listed on eBay:

<https://www.ebay.com/itm/277189507183>

Contact me direct to save shipping.

Kenwood TS-700 All Mode Two Meter Tranceiver Parts or Repair

Posted June 9th, 2025 by: [N2XZF](#)

Contact: n2xzf.radio@gmail.com

I have this transceiver listed on eBay for local pickup.

You can look at it here:

<https://www.ebay.com/itm/277189392134>

Contact me direct...

RARS Classifieds continued

Astron RS 7A Power Supply

Posted June 7th, 2025 by: [WZ0Q](#)

Contact: wz0q@outlook.com

Astron RS 7A power supply has been tested and works well asking \$40.00

contact WZ0Q Dennis

email or phone 919-413-5998

For Sale

Posted June 7th, 2025 by: W4BMX

Contact: [W4BMX](#)

For Sale

Goal Zero 30 watt Monocrystalline Solar Panel \$ 40

Regards, Tony de W4BMX

919 961-1813

FS: TWO D-104 Mics

Posted June 5th, 2025 by: [W4BOH](#)

Contact: infomet@embarqmail.com

Yep, you read right. Pep up your audio with one, or both, of these classics of both ham and CB fame.

These two were donated to DFMA and are now for sale at \$50 each.

Both are on PTT stands with built in preamps, so you can overmodulate and have the widest signal on the band, or not.

They are for pickup in Hillsborough, so I will install batteries and verify output before you drive out here.

With any luck, you can also get a PBR when you come.

These are dusty, from SK storage, but should clean up fine.

\$50, each. One has a four pin female connector and one has a three pin.

I can furnish 1/4" phone plugs, if you need.

Wilson

WANTED: 10' roof antenna mast pipe 1.5

Posted July 2nd, 2025 by: K3LOE

Contact: k3loe@proton.me

Could be two 5' sections. Looking for 1.5" actual outer diameter to match existing bracket for antenna. Could be 1.25" OD but prefer 1.5". Contact via email. Thanks! Mike

Minutes, Board of Directors Meeting

Raleigh Amateur Radio Society

June 3, 2025
7:00 PM on Zoom

- 1) President Fin Gold NC4FG called the meeting to order at 7 pm. There were no visitors. Board members present were: Fin Gold NC4FG, Chuck Till K4RGN, Julie Royster KT4JR, Chuck Littlewood K4HF, Denny Oestreich KO4IBL, Greg Seamster KE4PAX, Richard Hall KR4LH, Tadd Torborg KA2DEW, John Honeycutt N8ZU, Jon Suen KG6K, Ken Latchum AD4GX, Nancy Torborg KB2TNR, Tom Lewis N4TL, Brantley West K4CBW, and Tony O'Connor K1OC.
- 2) President Gold asked Secretary Julie Royster KT4JR for a quorum call, and she replied that a quorum was achieved with 15 attendees.
- 3) President Gold asked for a motion to approve the minutes of the May 2025 Board Meeting. The motion was made, seconded, and passed.
- 4) Old Business
 - a) Red Cross partnership update

The new partnership between RARS and the Red Cross will be announced in the June Exciter. RARS is moving items from rented storage to the Red Cross building, thus saving significant costs. Three RARS board members are in training to become Red Cross volunteers
 - b) 2025/2026 Budget review and approval

Greg Seamster discussed the proposed 2025-2026 budget. We do plan to continue supporting the PRN DMR hotspot but not other aspects of PCRN, which is not currently accepting donations. There was discussion about whether to continue contributing to the NC Reading Service; the board voted unanimously to eliminate this contribution. Chuck Till moved to approve the budget and two new designated discretionary funds for equipment purchases and for improvements. The motion was seconded and passed unanimously.
 - c) Board members discussed the pros and cons of the hybrid meeting format for the general membership meeting. President Gold asked for a motion to continue hybrid meetings. Julie Royster so moved, and the motion was seconded and approved unanimously.

RARS Board of Directors Meeting minutes continued

- d) Board members discussed finalizing the use of Discord, which was adopted on a trial basis earlier. President Gold asked for a motion to adopt Discord as the RARS discussion forum both for the club and for board discussion. President Gold asked for a motion to continue using Discord. Tony O'Connor so moved, and the motion was seconded and passed unanimously.
- e) Equipment sale
We received an offer from the Neuse River Basin ARA to buy the D-Star 2nd generation UHF repeater which we had received from the estate of Danny Hampton K4ITL. Chuck Till moved to accept this offer and to return the sale proceeds into the repeater fund. The motion was seconded and approved unanimously.
- f) Donations update
Of the 21 spectrum analyzers RARS was given, 13 have been repaired and 3 of those have been sold. Fin is talking with an experienced EBay seller who may be able to ship additional units sold by RARS. In addition, in 2024-2025 RARS has sold \$7445 of estate items, which will yield a donation of \$3649 to the club eventually.

5) New Business

- a) Ad-hoc Emergency Planning committee - Fin Gold NC4FG
Fin wants to establish a new emergency planning committee
Interested board members say if they want to participate.
Doug Wall will be invited to participate.

6) Officers' Reports

- a) Vice-President's Report – Chuck Till K4RGN
The June program concerns Field Day. The July program concerns lithium ion battery technology. The August program concerns the NASA deep space network. Chuck is seeking ideas for fall program planning.
- b) Treasurer's Report – Greg Seamster KE4PAX
RARS has 580 members, including 565 voting members. Greg provided a current financial status report and has uploaded the proposed 2025-2026 budget to Discord for club members to examine.

RARS Board of Directors Meeting minutes continued

c) Secretary's Report – Julie Royster KT4JR

The minutes are up to date. The board needs to consider changes to the quorum criteria for club meetings.

7) Committee Reports:

a) Net Manager

Julie Royster, KT4JR

Nightly 2m nets and weekly 6m nets are ongoing.

b) Public Service Director

Jeremy Lindsley, K2HJX

The event season is off to a good start with strong volunteer support. Additional events are coming soon.

c) Education Director

Denny Oestreich, KO4IBL

A Fall technician licensing class will be held September 6, 13, and 20 at the Red Cross facility. Denny will start advertising in June. Denny needs a backup computer and projector during the classes. He can accommodate 25 students.

d) FM Repeater Chair

Jon Suen, KG6K

The digital repeater is in use in RTP. The Bayleaf repeater is back on the air with better coverage. Next Jon will attend to the 64 repeater to fix issues such as noise. Hangtimes and prevention of doubling will be evaluated.

e) Club License Trustees

Tom Lewis, N4TL

Brantley heard back from ARRL, who requested signed minutes authorizing Brantley to become trustee for N4RAL. Brantley will provide ARRL with a copy of the May minutes.

f) Exciter Editor

Tom Lewis, N4TL

The current issue is in progress, soon to be finished.

g) RARSfest Chair

Nancy Torborg, KB2TNR

The RARS booth at the Dayton Hamvention got lots of traffic.

h) Food Service Chair

Richard Kroeger, N1FUA

There have been no complaints about the food, which is being eaten.

i) ARRL Liaison

Chuck Littlewood, K4HF

Marv Hoffman, NC section manager, is requesting notification of planned Field Day activities and pushing sites to register with the ARRL Field Day locator.

RARS Board of Directors Meeting minutes continued

j) Field Day Chair Marty Young, W4MY
Marty is working on his powerpoint for the June meeting.

k) RARS VE Coordinators Richard Hall, KR4LH
There will be a test session at the June gathering.

l) RARS Webmaster Tony O'Connor, K1OC
The May 29 Roanoke Division town hall last week was on making your Field Day a success, and this is linked on the website. Our website is healthy with no outages.

m) Youth Chairman Brantley West, K4CBW
We had a popup portable event at Raven Rock state park.
Collin magnet elementary school has applied to contact the space station and has asked RARS for assistance. There is no word yet on acceptance of their application.

n) At Large Director Alan Pitegoff, AB4OZ
no report

o) At Large Director Tadd Torborg, KA2DEW
no report

p) At Large Director Ken Latchum, AD4GX
no report

8) Other reports or questions or comments from Board Members
Greg Seamster stated that we should get a certificate of insurance from the Red Cross, as we have done for the church meeting site.

9) Adjournment
President Gold asked for a motion to adjourn. The motion was made and seconded and passed, and the meeting was adjourned at 8:02 pm.

Respectfully submitted,
Julie Royster, KT4JR, RARS Secretary

RARS General Membership Meeting minutes

June 10, 2025, 7:30 PM

- 1) President Fin Gold NC4FG called the meeting to order and reminded online attendees of several tips about Zoom. He thanked Devin Hedge KN4FVH for sharing the use of his equipment for the Zoom portion of our meetings. He noted that purchase of audiovisual equipment is a line item in the proposed RARS budget for the coming year.
- 2) President Gold asked for new members, visitors, and members with newly upgraded licenses to identify themselves. Visitors were: Makes Balasubramaniam, Mike Joondeph N1JDW, and Susan Jones WA4AKB.
- 3) President Gold asked for a quorum call, and Secretary Julie Royster KT4JR reported that a quorum was achieved. President Gold asked for a motion to approve the May Club Meeting Minutes. The motion was made, seconded, and passed.
- 4) Vice President's Report or announcements – Chuck Till, K4RGN The July program will feature a professor from NC State University discussing the future of lithium batteries. The August program will be the NASA speaker discussing the deep space network. Members are encouraged to suggest future meeting topics or speakers to Chuck.
- 5) Secretary's Report or announcements – Julie Royster, KT4JR The minutes are up to date.
- 6) Treasurer's Report or announcements – Greg Seamster, KE4PAX RARS currently has 582 members. We are at the end of the fiscal year so it is time to renew dues payments, which can be done via the RARS website or by giving Greg a check. Employers might donate matching funds equal to dues payments. Tonight the club needs to approve the 2025-2026 operating budget which was shared on Discord. In addition the club is asked to approve a capital fund of \$4000 which would be used to purchase computer and audiovisual equipment, and an improvements fund of \$1000 for use for project supplies for the Gathering and club meetings. Greg described the club's spending during the current fiscal year. He asked for a motion to approve the proposed budget and two discretionary funds. Tom Lewis N4TL so moved and the motion was seconded, and passed.
- 7) Specific Announcements or Reports from Directors
 - a) Announcements by Alan Pitegoff, AB4OZ
The next free AB4OZ hamfest will be Saturday June 21 at Ridge Road Baptist Church parking lot. The Firecracker hamfest at Salisbury will be held on July 12. The Cary hamfest will be July 19, and the Fayetteville hamfest will be August 9.

RARS General Membership Meeting minutes

- b) President Gold stated that the next Board Meeting will be at 7 PM Tuesday, July 1, 2025 on Zoom.
- c) Public Service director Jeremy Lindsley K2HJX announced upcoming public service events for which volunteers are needed.
- d) John Honeycutt N8ZU announced the upcoming RARS dinner and RARS Gathering.
- 8) Chuck Till conducted the monthly door prize drawing. Winners were Mahesh Balasubramaniam, Mike Joondeph N1JDW, and Jeremy Lindsley K2HJX.
- 9) Chuck Till introduced the program: 2025 RARS Field Day presented by Field Day Chair Marty Young W4MY.
- 10) President Gold thanked Marty for organizing our 2025 Field Day and encouraged all members to participate.
- 11) President Gold asked for a motion to adjourn the meeting; the motion was made and seconded and passed. The meeting was adjourned at 8:38 pm.

Respectfully submitted,

Julie Royster, KT4JR, RARS Secretary